

Title (en)

PARENT BATTERY TO SLAVE BATTERY ENERGY TRANSFER FOR COMPOSITE SYSTEMS

Title (de)

ENERGIETRANSFER VON ELTERN-BATTERIE ZU SLAVE-BATTERIE FÜR VERBUNDSYSTEME

Title (fr)

BATTERIE PARENT POUR TRANSFERT D'ENERGIE VERS BATTERIE ESCLAVE POUR SYSTEMES COMPOSITES

Publication

EP 3293036 B1 20210825 (EN)

Application

EP 16187684 A 20160907

Priority

EP 16187684 A 20160907

Abstract (en)

[origin: EP3293036A1] The current invention concerns a system for power transfer between batteries of a composite AGV, which optionally allow bidirectional charging from a battery to another battery in order to optimize the time between each charging cycle, and to optimize the efficiency in the power transfer between batteries with similar but possibly different voltages. Furthermore, it provides an improved composite AGV and a method for executing said power transfer.

IPC 8 full level

B60L 15/38 (2006.01); **B60L 53/22** (2019.01); **B60L 58/20** (2019.01)

CPC (source: EP)

B60L 50/66 (2019.01); **B60L 53/22** (2019.01); **B60L 58/20** (2019.01); **H02J 7/0018** (2013.01); **H02J 7/342** (2020.01); **B60L 2200/40** (2013.01); **B60L 2210/12** (2013.01); **B60L 2210/14** (2013.01); **H02J 2310/48** (2020.01); **Y02P 90/60** (2015.11); **Y02T 10/70** (2013.01); **Y02T 10/7072** (2013.01); **Y02T 10/72** (2013.01); **Y02T 90/14** (2013.01)

Cited by

CN113799626A; CN113555940A; EP3620321A1; KR20200029327A; CN113799638A; US11084397B2; US12005795B2; WO2021104621A1; WO2018069356A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3293036 A1 20180314; **EP 3293036 B1 20210825**; PL 3293036 T3 20220103

DOCDB simple family (application)

EP 16187684 A 20160907; PL 16187684 T 20160907